

APPLICATION FOR INDIVIDUAL SECTION 401 WATER QUALITY CERTIFICATION

1. Applicant	Applicant Information			
1.1 Contact Person				
1.2 Company Name				
1.3 Mailing Address	Street / PO Box:	City / Town:	State:	Zip Code:
1.4 Email Address				
1.5 Phone Number				
2. Representative	Consultant, engineer, or other representative that is responsible for filling out this application, if other than the applicant.			
2.1 Representative Name				
2.2 Representative Company Name				
2.3 Representative Address	Street / PO Box:	City / Town:	State:	Zip Code:
2.4 Representative Phone Number				
2.5 Representative Email Address				
3. Landowner	If the applicant is not the landowner, please provide a list of all landowners owning property that is part of the project site.			
3.1 Landowner Name				
3.2 Landowner Company Name				
3.3 Landowner Address	Street / PO Box:	City / Town:	State:	Zip Code:
3.4 Landowner Phone Number/Email Address				
4. Pre-Application Meeting	Have you had your meeting yet? The Department of Environmental Conservation strongly encourages applicants to schedule and attend a pre-application meeting with affected programs prior to submitting an application.			
	<input type="checkbox"/> Yes, the meeting was held on _____. If you need to schedule a meeting, please call or email Megan McIntyre at 802-490-6110 or megan.mcintyre@state.vt.us .			

5.a Resource Proposed for Alteration:	5.b Type(s) of Proposed Alteration(s):
<input type="checkbox"/> Wetlands <input type="checkbox"/> Stream / Rivers <input type="checkbox"/> Lake / Pond / Reservoir Name of Resource(s) (Please use consistent ID#s throughout the application for identification of unnamed resources.)	<input type="checkbox"/> Stream / River Crossing <input type="checkbox"/> Utility Line or Linear Transportation Project <input type="checkbox"/> Intake / Outfall Structure <input type="checkbox"/> Stream or Wetland Restoration <input type="checkbox"/> Wetland Fill / Excavation <input type="checkbox"/> Dredging <input type="checkbox"/> Launch Ramp <input type="checkbox"/> Bank Stabilization <input type="checkbox"/> Impoundment <input type="checkbox"/> Other:

6. Additional Permits and Supporting Documents

6.1 Supporting Documents (Appendix I). Please list any additional Supporting Documents and attach to application labeled Appendix I. This should include, but not be limited to Memorandum of Understanding (MOU)'s with the Vermont Agency of Natural Resources (if applicable), applicable state and federal permits and permit applications, federal 404 permit application including alternatives analysis and mitigation package, site maps and plans, vegetation management plans, easement information, etc. Complete on an attached sheet if more room is needed. In the brief description column include page numbers for each appendix for quick reference. ****Note, this section needs to be updated as supporting documents are updated.**

Appendix	Document Title	Preparing Agent	Date of Last Revision	Brief Description
Appendix IA				
Appendix IB				
Appendix IC				
Appendix ID				
Appendix IE				
Appendix IF				
Appendix IG				
Appendix IH				

7. Project Details

7.1 Project / Site Name	
7.2 County or Counties	County or counties in which the project site is located.
7.3 Town(s)	Town(s) in which the project site is located.
7.4 Physical Address	911 street address, if available.
7.5 Compass Directions & Road(s)	Compass direction of the project in relation to the road(s) or nearest intersection. Name the road(s) that the project is located on.
7.6 Geographic Features	Identify any distinguishing geographic features near project location site.

7.7 Geographical Location Points	Identify the meridian points of all project components. Attach a USGS topographic Site Location Map.		
	Project Components:	Latitude (decimal degrees, NAD83):	Longitude (decimal degrees, NAD83):
7.8 Project Description Summary	Give a short narrative summary describing what the project is.		
7.9 Project Description Details	Give a more detailed narrative description of the project, including phasing and a list of specific project components.		
7.10 Project Purpose	Describe the project purpose.		
7.11 Total Project Acres			
7.12 Total Disturbed Area Associated with Project			
7.13 Site Slope Percent	Please provide the maximum slope percent. For linear projects, please provide the maximum and minimum slope percentage across the project.		
7.14 Physical Description of Project Area	Give a narrative description of the physical attributes of the project site.		

7.15 Soil K-Factor(s)			
7.16 Hydrologic Soil Group(s)			
7.17 Receiving Waters	Identify all surface waters within the major basins (including streams/rivers, wetlands, and lakes) that drain from the project, beginning with waters within the proposed project area and progressing downstream. If the waterbody does not have a formal name, a descriptive name should be provided (e.g. unnamed tributary of the Mad River). (There are 17 major watershed basins defined by VTDEC in: http://www.vtwaterquality.org/mapp/htm/mp_assessment.htm)		
7.18 Table 1: Watershed Area Summary from Project Area to Receiving Waters			
Watershed(s)	Watershed Area (acres)	Disturbed Area (acres)	% Area Disturbed

8. Cumulative Impacts: For help identifying environmental features regarding your property use the VTANR Natural Resources Atlas: http://www.anr.state.vt.us/dec/maps.htm .		
8.1 Impervious Surface	Impervious surface % of property	Impervious surface square footage
8.2 Land Use	Describe current and prior uses of the project property, including activities such as logging and agriculture or other uses that may have impacted water quality.	
8.3 Land Cover	Percent and type of change in land cover associated with the project relative to natural cover.	
If the Agency finds that additional information on the current condition of the receiving water(s) beyond what is available is needed to adequately assess potential impacts from the proposed activity, the applicant will be required to supply that information.		

Resource Descriptions	
9. Wetland Resources	
9.1 Type of Wetland(s)	Describe the wetland(s) in the project area including the total number of wetlands in the area, the square footage of each wetland, the number of Class II and III wetlands (according to the Vermont Wetland Rules). If more than two wetlands will be affected by the project, fill out Wetland Resource Table 2, Appendix II by clicking (here) (xlsx, 12kb).
9.2 Wetland Pre-Project Cumulative Impacts	Describe any known pre-project cumulative impacts to wetlands from land use, agriculture, forestry, development, etc.
9.3 Wetlands Impacted	Describe the proposed impacts to the wetlands and buffer area (include impacts from fill, clearing, temporary trenching, etc.)
9.4 Table 3: Wetland Impact Table	Fill out the Wetland Impact Table, Appendix III by clicking (here) (xlsx, 11kb)
9.5 Converted Wetlands	List the square footage of wetlands converted from one type of wetland to another. Example would be conversion of forested wetland to shrub wetland for power line right of way clearing. Submit table if needed as an appendix.
10. Stream/River Resources	
10.1 Streams/Rivers Impacted	Describe the perennial streams impacted by the project.

10.2 Table 4: Stream/Rivers Impacted		Fill out the following table with perennial streams impacted by the project, Appendix IV by clicking (here) (xlsx, 12kb).				
10.3 Table 5: Summary of Physical Impacts to Streams/Rivers						
Proposed Stream Area Impacts						
Project Component	Permanent (s.f.)	Permanent (acres)	Temporary (s.f.)	Temporary (acres)	Total (s.f.)	Total (acres)
10.4 Stream / Rivers Pre-Project Cumulative Impacts		Describe any known pre-project cumulative impacts to streams and rivers from land use and development, etc.				
10.5 Impacts to the Geomorphic Condition and Geomorphic Sensitivity of the Stream		<p>Describe using phase I & phase II stream geomorphic stream assessment protocols:</p> <p>Geomorphic condition means the degree of departure, if any, from the dimensions, pattern, and profile associated with the naturally stable channel that results from the unique set of natural stream processes or dynamic equilibrium conditions of a stream or river segment.</p> <p>Geomorphic sensitivity means the potential of a river, given its inherent characteristics and present geomorphic conditions, to be subject to a high rate of fluvial erosion and other river channel adjustments, including erosion, deposit of sediment, and flooding.</p>				
11. Physical, Chemical, & Biological Conditions. Include & attach all analysis in appendix I.						
11.1 Physical Water Conditions		<p>Summarize the physical conditions of the waters the project impacts or discharges into, including, temperature regime, conductivity, pH, turbidity, suspended sediment, and substrate type. Document source of data, geo-referenced to sampling location. If data are from the Bio-monitoring Sites Layer or the DEC Watershed Data Portal on the VTANR Atlas http://www.anr.state.vt.us/dec/maps.htm, please reference specific station identification numbers. Data are also available at www.vtwaterquality.org/wqd_mgmtplan/waterq_data.htm.</p>				
11.2 Chemical Water Conditions		<p>Summarize the chemical conditions of the waters the project impacts or discharges into, including, as available, total phosphorus and nitrogen, biochemical & chemical oxygen demand, hardness, metals, <i>E. coli</i>, and other data relevant to evaluation of the chemical condition of waters. If data are from the Bio-monitoring Sites Layer or the DEC Watershed Data Portal on the VTANR Atlas http://www.anr.state.vt.us/dec/maps.htm, please reference specific station identification numbers. Data are also available at www.vtwaterquality.org/wqd_mgmtplan/waterq_data.htm.</p>				

11.3 Biological Water Conditions	<p>Summarize the biological water conditions of the waters the project impacts or discharges into. If data are available, summarize biological condition in relation to DEC biological assessment endpoints as described by http://www.vtwaterquality.org/bass/htm/bs_biomon.htm. Document the occurrence or absence of aquatic rare, threatened, or endangered plant or animal species. If data are from the DEC Watershed Data Portal on the VTANR Atlas http://www.anr.state.vt.us/dec/maps.htm, please reference specific station identification numbers. Follow-up with the Fish & Wildlife Department's Natural Heritage Inventory (802-371-7333) if any such species are present.</p>
12. Fish & Wildlife Resources	
12.1 Fisheries	
12.1.1 Fisheries Resource(s)	<p>Provide a description of the existing fish resources within the waters that the project impacts or discharges into.</p>
12.1.2 Habitat	<p>Are the fisheries within and downstream from the proposed project managed as warm water or cold water?</p>
12.1.3 Fisheries Affects & Minimization	<p>Provide a description of the anticipated and other possible impacts of the proposed project on aquatic habitat, fish resources, and recreational fisheries and how those will be avoided or minimized.</p>
12.2 Wildlife: For help identifying wildlife habitat, natural communities, and rare, threatened, or endangered species use the VTANR Natural Resources Atlas: http://www.anr.state.vt.us/dec/maps.htm .	
12.2.1 Habitat	<p>Provide an assessment of wildlife habitat within the project area. This must include a description of the methods employed to identify, map, and assess the habitats. Include a map that depicts all the wildlife habitat resources of the area (e.g., deer wintering habitat, riparian habitat, floodplain forest natural communities, wetland types).</p>

12.2.2 Natural Communities	Provide an assessment of significant natural communities within the project area. This must include a description of the methods employed to identify, map and assess the communities. Include a map that depicts the natural communities.
12.2.3 Rare, Threatened, and Endangered Species	Provide an assessment of rare, threatened, and endangered species within the project area. This must include a description of the methods employed to identify and map the locations of these rare species of plants and animals. Include a map that depicts the locations of these species.
12.2.4 Wildlife Affects & Minimization	Provide a description of the anticipated and other possible impacts of the proposed project on the foregoing wildlife resources and how those will be avoided or minimized.

13. Fee	Pursuant to 3 V.S.A. § 2822(j)(30), use the following formula to calculate the certification fee: 1% of project cost with a minimum of \$200.00 and a maximum of \$ 20,000.00.	
	Project Cost: \$ _____ Total Enclosed: \$ _____ <input type="checkbox"/> Exempt	
	Please make check or money order payable to "Treasurer – State of Vermont"	

Signature (original signature required)	I certify under penalty of law that this document and all attachments were prepared at my request or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person who manages the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	
	I recognize that by signing this application, I am giving consent for the Commissioner of the Department, or a duly authorized representative, at reasonable times and upon presentation of credentials, to enter upon and inspect the subject property to verify information in and process the Section 401 application.	
	X _____	Date: _____
Signature details	Please Print Name: _____	Signor Contact Phone# and Email: _____

Administrative Information - Official Use Only

Date Received	Project #	Fee Received Yes <input type="checkbox"/> No <input type="checkbox"/> Amount Received: \$	Application Administratively Complete: Yes <input type="checkbox"/> No <input type="checkbox"/> Additional Information Requested on:	Application Technically Complete: Yes <input type="checkbox"/> No <input type="checkbox"/> Additional Information Requested on:
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